



REQUEST AND RECOMMENDATION

UNIVERSITY OF CINCINNATI Bachelor of Science in Environmental Engineering

Request:

University of Cincinnati requests approval to offer the Bachelor of Science in Environmental Engineering.

Background:

The University of Cincinnati (UC) is a public research institution located in Cincinnati, Ohio. The Higher Learning Commission (HLC) of the North Central Association of Colleges and Schools accredits the University of Cincinnati until its next review in 2019. UC has an enrollment of more than 31,000 students in more than 300 programs of study at all degree levels, associate to doctoral degree.

The Bachelor of Science in Environmental Engineering is designed to prepare students for employment or graduate study to address environmental issues in the analysis and design of water and waste water treatment systems, hazardous substance management and regulations, air pollution control technologies, and environmental hydrology and sustainability. Employment opportunities can be found in diverse settings, including private engineering and research firms, universities, testing laboratories, government agencies of all types (federal, state and local) and all types of major corporations.

UC has a nationally ranked graduate program in environmental engineering and was named a University System of Ohio Center of Excellence in Advanced Energy- Sustaining the Urban Environment. The proposed undergraduate program will be located in the School of Energy, Environmental, Biological and Medical Engineering within the College of Engineering and Applied Science. The Accreditation Board for Engineering and Technology (ABET) currently accredits the graduate program at the advanced level. The undergraduate program will seek accreditation following the graduation of its first cohort of students.

Curriculum and Enrollment:

The program comprises 125 semester credit hours in science, mathematics and engineering focusing on knowledge and skill development in three areas of emphasis: air quality, water quality, and hydrology and through a focus on sustainability research for green engineering design. Students will also complete a capstone experience and have an opportunity to participate in a co-op/internship in industry or in a research laboratory.

The University of Cincinnati anticipates 40 new students for the program each year.

Faculty and Resources:

Current faculty members (12 full-time faculty) are sufficient to meet the needs of the program. No additional resources will be required for the program.

Recommendation:

This program meets the Chancellor's standards for baccalaureate degrees and approval is recommended.